

**ADVANCING CAMPUS INTERNATIONALIZATION  
A STRATEGY FOR UI : TOWARDS 2012**

**Wiku Adi Sasmito**

Director, Partnership and Business Incubator UI

UI internationalizes itself to meet its vision to be world-class university. This presentation discusses University of Indonesia's strategies to internationalize. It starts with the context, definition and some key dimensions of internationalization and UI response to this context. Among the issues are human resource, information, and mobility issues. Policies and programs to internationalize particularly since 1992 will be outlined. Finally, lessons learned from the practices will conclude this presentation.

Directorate of Partnership and Business Incubator  
Universitas Indonesia  
1st Fl. DRPM Bldg  
Kampus UI, Depok 16424, INDONESIA  
Ph: (62-21) 786 7222 ext.100522, 100523, 100525  
Fax: (62-21) 7888 0139, 727 0017  
Email: [io-ui@ui.edu](mailto:io-ui@ui.edu)  
URL: [www.ui.ac.id](http://www.ui.ac.id)



**UI TOWARDS 2012**


The Development Plan  
UI Science Park

Drh. Wiku Adisasmito, MSc, PhD  
Directorate for Partnership & Business Incubator  
University of Indonesia


Workshop: Laying Firm Foundations for University  
Internationalization  
Kyoto, Jan 24-25, 2008



# UNIVERSITAS INDONESIA




UI Science Park



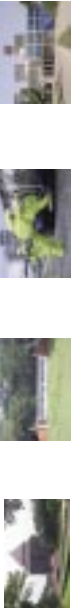
### BACKGROUND

- ◆ University of Indonesia as a "Research University"
- ◆ Competition among World Class Universities
- ◆ Need research findings from university-based industrial research incubator
- ◆ Need more research and publication at highly recognized national and international journals
- ◆ There is an enormous needs and interests on applied research from industry, government, and others
- ◆ Challenges: defending the public from emerging infectious diseases, economic uncertainties, political turbulence, ecological & ethical problems



### BACKGROUND

- ◆ Challenges - defending the public from:
  - ◆ Bureaucracy & political disturbances
  - ◆ Economic turbulence & uncertainties
  - ◆ Conventional out-dated Technology
    - ◆ Non environmentally friendly technology (Fossil Fueled Power Plant)
    - ◆ Low yield fossil fuel derivatives
    - ◆ Labor intensive automotive assembling
    - ◆ Labor intensive manufacturing
    - ◆ Ineffective & expensive drugs
    - ◆ Slow, expensive & limited reach of mass communication & IT



### Vision

- ◆ To be a center for innovation & development of science & technology, benefiting human development in Indonesia.

### Mission

- ◆ To excel academic research
- ◆ To develop basic, applied, and advance sciences in the area of science & technology, biomedical & health sciences, and social, arts & humanities
- ◆ To assist industry & business sectors through joint applied research
- ◆ Globalize the achievement in science & technology through international publication
- ◆ To improve the position of Indonesia to capitalize qualified national human resources



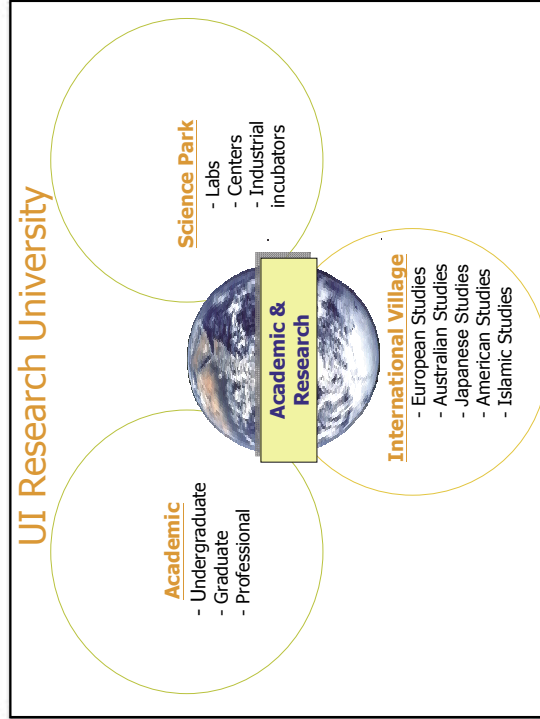
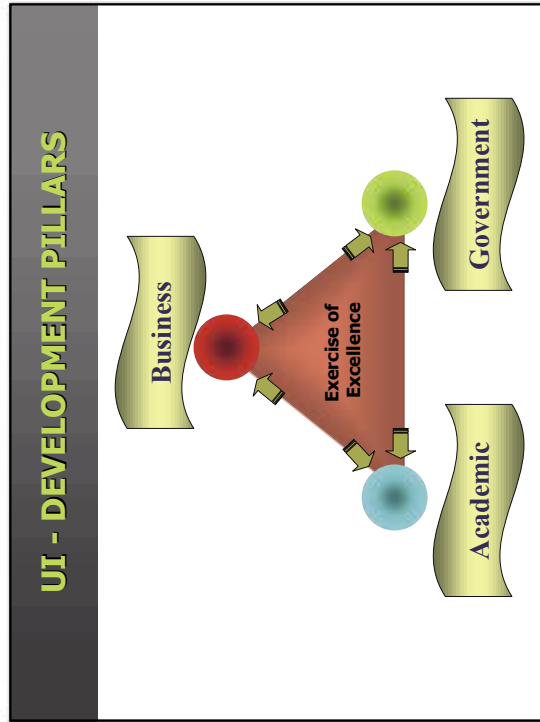
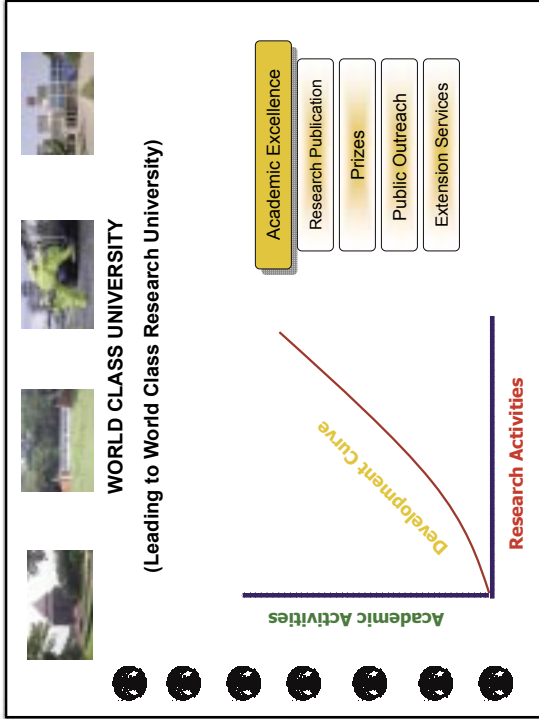
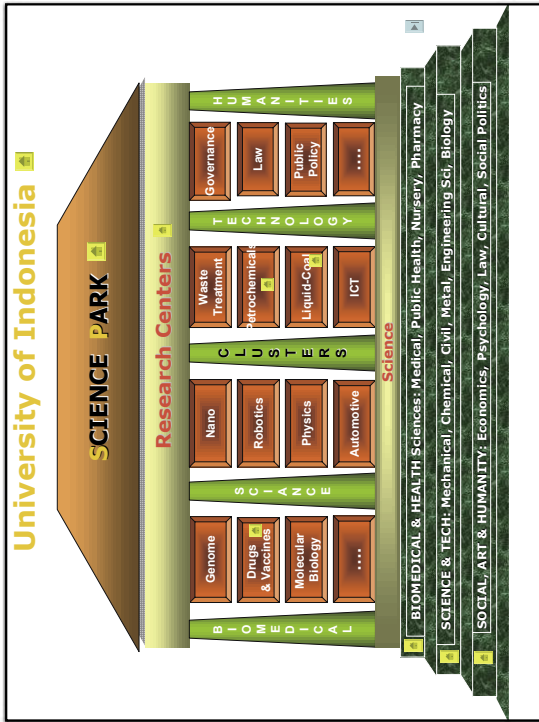
### VALUES

- Promote values of religion, culture, art, norms, & laws of Indonesia
- Academic excellence & independency
- Integrity & Respect: objective, honest & ethical
- Customer oriented



### GOALS

- ◆ To develop integrated & advance research facilities
- ◆ To spread the advancement of science & research to public for productive & immediate utilization
- ◆ To convey the scope and significance of industrial research incubator services, ranging from waste treatment technology to bio molecular analysis of viral mutagenesis (needing effective vaccine development)
- ◆ To shape the future of industrial research incubator services, a framework for integration, collaboration and leadership between University & Industry



SWOT	
INTERNAL	EXTERNAL
<p><b>S T R E N G T H</b></p> <ul style="list-style-type: none"> <li>• Institutional Experience</li> <li>• Positive image in education</li> <li>• Educated researchers</li> <li>• Large Campus Facility</li> </ul>	<p><b>O P P O R T U N I T Y</b></p> <ul style="list-style-type: none"> <li>• UI Acknowledged</li> <li>• International network</li> <li>• Strategic roles nationally</li> <li>• Industry &amp; Commercial link</li> </ul>
<p><b>W E A K N E S S</b></p> <ul style="list-style-type: none"> <li>• Minimal outstanding labs</li> <li>• Few, sound research findings</li> <li>• Lack of international scientific publication</li> <li>• Lack of Coordination, target &amp; direction</li> </ul>	<p><b>T H R E A T</b></p> <ul style="list-style-type: none"> <li>• Regional Competitors (Labs &amp; Univ)</li> </ul>




## ABOUT UI

- Year of establishment : 1950
- Student body : 39028
- Academic Staff : 3113
- Faculties : 12 + 1 Graduate School
- Study Programs: more than 200
- Campus: Depok and Salemba







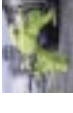


UNIVERSITY OF INDONESIA

**97** CURRENT RESEARCH CENTERS






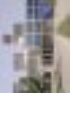
FACULTY OF MEDICINE

1. Medical Research Unit (URK)
2. Pusat Uji Klinik Obat (PUKO)
3. Pusat Kajian Gizi Regional (SEAMEO)
4. Makmal Terpadu
5. Medical Education Unit (UPK)



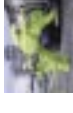

## FACULTY OF DENTISTRY

1. Lab - Rumah Sakit Gigi dan Mulut

## FACULTY OF PUBLIC HEALTH

1. PPK (Pusat Penelitian Kesehatan)
2. PUSKA (Pusat Penelitian Keluarga Sejahtera)
3. PKTK3 (Pusat Kajian dan Terapan Keselamatan dan Kesehatan Kerja)
4. PKEKK (Pusat Kajian Ekonomi dan Kebijakan Kesehatan)
5. P3M (Pusat Pendidikan dan Pelayanan Masyarakat)
6. PKKLI (Pusat Kajian Kesehatan Lingkungan dan Industri)
7. PRES (Pusat Riset Epidemiologi dan Surveilans)
8. PKBIK (Pusat Kajian Biostatistika & Informatika Kesehatan)
9. PKGK (Pusat Kajian Gizi dan Kesehatan)

## FACULTY OF NURSERY


1. Pusat Kajian Manajemen Keperawatan
2. Centre for Nursing Management & Prevention of Adolescence with HIV/AIDS







## FACULTY OF MATHEMATICS & NATURAL SCIENCES

1. Pusat Studi Biodiversitas dan Konservasi
2. Pusat Studi Obat Bahan Alam
3. Pusat Studi Kelautan
4. Pusat Kajian Material
5. Pusat Herba Medika
6. Pusat Penelitian Geografi Terapan
7. Pusat Studi Komputer dan Tek. Informasi
8. Pusat Kajian Resiko dan Keselamatan Lingkungan
9. Pusat Pengembangan Wilayah



**FACULTY OF  
ENGINEERING**

1. Engineering Center
2. Pusat Penelitian Sains dan Teknologi
3. Pusat Kajian Energi
4. Lembaga Teknologi (LEMTEK)






**FACULTY OF  
PSYCHOLOGY**




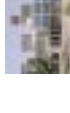
1. Lembaga Psikologi Terapan (LPT-UI)
2. Lembaga Pengembangan Sarana Pengukuran dan Pendidikan Psikologi (LPSP3)
3. Badan Penelitian dan Pengembangan Psikologi (BP2Psi)
4. Pusat Krisis Fpsi UI
5. Pusat Keberbakatan











**FACULTY OF  
POLITICAL & SOCIAL  
SCIENCES**

1. Pusat Kajian Departemen Ilmu Kesejahteraan Sosial
2. Pusat Kajian Komunikasi
3. Unit Studi Jender dan Pembangunan
4. CIREC (Center for International Relation Studies)
5. Broadcast Center
6. Pusat Kajian Pengembangan Otonomi Masyarakat dan Daerah (PUSKA POMDA)
7. Pusat Kajian Politik
8. CERIC (Center for Research on Inter-group Relations and Conflict Resolution)
9. Lab Sosio






**FACULTY OF  
POLITICAL & SOCIAL  
SCIENCES**

10. Pusat Kajian Antropologi
11. Pusat Kajian Ilmu Administrasi
12. Pusat Kajian Pembangunan Administrasi Daerah dan Kota
13. Pusat Kajian Strategi Pembangunan Sosial Politik
14. Pusat Kajian Kriminologi
15. Center for East Asia Cooperation Studies (CEACoC)
16. Pusat Keadilan dan Pengabdian Hukum
17. Pusat Pelayanan Komunikasi Masyarakat
18. PACIVIS – Center for Global Civil Society
19. Pusat Kajian Kesejahteraan Sosial

## FACULTY OF CULTURAL SCIENCES

1. Pusat Leksikologi dan Leksikografi
2. Pusat Pengembangan Seni dan Budaya
3. Pusat Pengembangan Kearsipan
4. Pusat Penelitian Kemasyarakatan & Budaya
5. Pusat Pengembangan Penelitian

## FACULTY OF COMPUTER SCIENCE

1. Pusat Ilmu Komputer







## FACULTY OF LAW

1. Lembaga Pengkajian Hukum Internasional
2. Lembaga Pengkajian Hukum Acara dan Sistem Peradilan Indonesia
3. Lembaga Pengkajian Hukum Perdata
4. Lembaga Kajian Islam dan Hukum Islam
5. Lembaga Kajian Persaingan dan Kebijakan Usaha
6. Lembaga Kajian Hak Asasi Manusia
7. Lembaga Kajian Pasar Modal dan Keuangan
8. Lembaga Kajian Pranata Hukum
9. Lembaga Kajian Hukum dan Teknologi
10. Lembaga Kajian Sosiologi Hukum dan Perundang-undangan







## FACULTY OF LAW

11. Pusat Kajian Penerapan Hukum
12. Pusat Kajian Hukum dan Pemerintahan yang Baik
13. Kajian Hukum Fiskal
14. Pusat Studi Hukum Tata Negara
15. Pusat Studi Hukum dan Pembangunan Berkelanjutan
16. Kelompok Kerja Pemajuan Hak Wanita dan Anak
17. Kelompok Penelitian, Pengkajian dan Penerapan Dasar-dasar Ilmu Hukum
18. Kelompok Penelitian, Pengkajian dan Penerapan Hak Milik Intelektual & Hak Atas Kekayaan Intelektual
19. Masyarakat Pemantau Peradilan Indonesia










**FACULTY OF ECONOMICS**

1. Lembaga Penyelidikan Ekonomi dan Masyarakat (LPEM)
2. Lembaga Manajemen (LM)
3. Lembaga Demografi (LD)
4. Lembaga Studi Manajemen (LSM)




**GRADUATE SCHOOL**

1. Pusat Kajian Pencegahan Kejahatan dan Pelanggaran Hak Asasi Manusia
2. Pusat Kajian Wanita
3. Pusat Penelitian SDM dan Lingkungan
4. Pusat Pengembangan Wilayah & Perkotaan
5. Pusat Pengembangan Lintas Kellimuan



**INTER-UNIVERSITY CENTERS**

1. Pusat Kajian Wilayah Amerika
2. Pusat Kajian Australia
3. Pusat Studi Jepang
4. Pusat Kajian Eropa
5. Pusat Kajian Timur Tengah dan Islam






**Publication - Journals**

1. Jurnal Antropologi Indonesia (FISIP)
2. Jurnal Bisnis dan Birokrasi (FISIP)
3. Jurnal Global (FISIP)
4. Jurnal Kriminologi Indonesia (FISIP)
5. Jurnal Masyarakat (FISIP)
6. Jurnal Thesis (FISIP)
7. Manajemen Usahawan Indonesia (FE)
8. Ekonomi & Keuangan Indonesia (FE)
9. Bisnis & Birokrasi – Jurnal Ilmu Administrasi & Organisasi (FE)
10. Seri (4) MAKARA (DRPW)






**Publication - Journals**

- 11. Medical Journal of Indonesia (FK)
- 12. Otorhinolaryngologica Indonesiana (FK)
- 13. Acta Medica Indonesiana (FK)
- 14. Paediatrica Indonesia (FK)
- 15. Parasitologi Indonesia (FK)
- 16. Neurona (FK)
- 17. Jurnal Ilmu Bedah Indonesia (FK)
- 18. Majalah Radiologi Indonesia (FK)
- 19. Jurnal Kedokteran Gigi Indonesia (FKG)
- 20. Jurnal Keperawatan Indonesia (FIK)
- 21. Kesmas (FKM)
- 22. MARSII (FKM)






**Publication - Journals**

- 23. Jurnal Sains Indonesia (FMIPA)
- 24. Jurnal Farmasi (FMIPA)
- 25. Jurnal Teknologi (FT)
- 26. Jurnal Psikologi Sosial (FPsi)
- 27. Jurnal Hukum Internasional (FH)
- 28. Jurnal Hukum & Pembangunan (FH)
- 29. Jurnal Hukum Telematika (FH)
- 30. Jurnal Hukum Persalingan Usaha (FH)
- 31. Teropong - Jurnal Monitoring Watch Peradlan (FH)



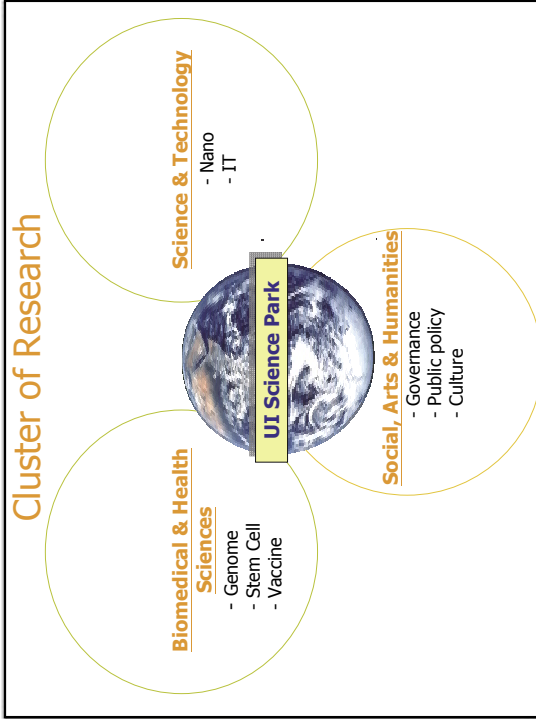


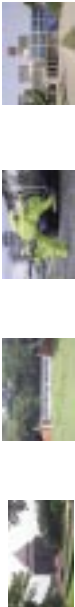

**Publication - Journals**

- 32. Jurnal Ilmiah Wacana (FIB)
- 33. Jurnal Filsosia (FIB)
- 34. Jurnal Arabia (FIB)
- 35. Jurnal Simica (FIB)
- 36. Jurnal Cadens (FIB)
- 37. Jurnal Kata (FIB)

**PROMINENT CENTERS**


- IHVCB (Institute of Human Virology & Cancer Biology)
- Engineering Centers
- SEAMEO (Research Center for Clinical Nutrition)





**WORLD MODEL – SCIENCE PARK**

- ◆ Texas A & M, Research Park (College Station, Texas, USA)
- ◆ Oceanographic Research (College Station & Galveston)
- ◆ Animal Husbandry & Veterinary
- ◆ Agronomy
- ◆ Etc.



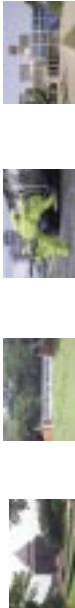

**WORLD MODEL – SCIENCE PARK**

- ◆ National Chiao Tung University (NCTU)
- ◆ Advanced Radio Technology and System Research Center
- ◆ Energy Technology and Management Research Center
- ◆ Bioinformatics Research Center
- ◆ Etc
- ◆ Yuanpei University of Science and Technology (YUST)
- ◆ Computerized Tomography Laboratory
- ◆ Digital Physiology Laboratory
- ◆ Genetic Food Development Laboratory
- ◆ Etc





**WORLD MODEL – SCIENCE PARK**

- ◆ National Central University (NCTU)
- ◆ Optical Science Center
- ◆ The center for Software Research
- ◆ The Center for Hazard Mitigation Prevention
- ◆ Etc
- ◆ National Taiwan University (NTU)
- ◆ Centers for Nano Science and Technology
- ◆ Computer and Information Networking Center
- ◆ The Center for Condensed Matter Sciences
- ◆ Etc

**WORLD MODEL – SCIENCE PARK**

- ◆ Centers for Disease Control – (Atlanta Georgia) in collaboration with Emory University
- ◆ Infectious Disease Lab: Microbiology, Virology, Entomology
- ◆ Degenerative Disease Lab
- ◆ Etc.





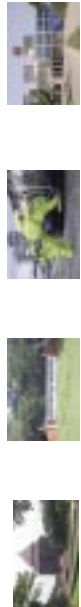
**WORLD MODEL – SCIENCE PARK**

- ◆ Colorado State Univ - Foothills Research Park in collaboration with Division of Vector-borne Infectious Disease CDC
- ◆ Microbiology, Virology, Entomology Lab
- ◆ Atmospheric Science
- ◆ Animal Disease Lab – collaboration with USDA & Private Company
- ◆ Toxicology Research Lab
- ◆ Etc.



**STAGING of First Establishment  
UI SCIENCE PARK**

- I. Organize, Manage, and Streamline Research Centers UI into 3 Clusters (Biomedical & Health Sciences, Science & Technology, and Social, Arts, Humanities)
- II. Intensify research activities toward concerted and distinct research findings ready for commercial & industrial adoption
- III. Continuous research for industrial incubator
- IV. Improvement of sciences: more research findings, patents, prizes
- V. Developing further into: Industrial Park & Science Park



**Development PHASES  
Advanced UI Science Park**

- I. Research Park: organize & manage existing linked labs & research centers in the University (first 5 years)
- II. Industrial Park: establish industrial park in collaboration with GOI & KADIN (5-10 years)
- III. Science Park: establish science park in collaboration with GOI & national & international prominent research institutions (10-15 years)



**METHODS – to assure commitment**


- Part of DRPM major plan to put in its portfolio
- Approval from Rector of the Research Park plan
- Presented the plan to MWA, signed as medium term plan of UI leaders to be commenced
- Presented to the Minister with acknowledgement from the President of Indonesia
- Execute the plan with established strong team & full financial support for the development
- Open & full support to access business partners: local, national, international
- Soft launch of plan with involvement of KADIN, GOI, International reps
- Monitor & evaluate progress of the development



**UI Action**

First stage:

- A. To develop strategic plan & business-research plan for the next 15 years of The University of Indonesia Research Park with involvement of the university, GOI, Menristek, LIPI, BPPT, DRN, Diknas, KADIN, industry, investors
- B. Establishing research clusters (utilize existing facilities):
  - Science & technology cluster starts at Engineering Center (FT) RCCN (FK)
  - Biomedical & Health Sciences starts at IHVCB UI & SEAMEO
- C. Develop research collaboration with industry, business, overseas & Indonesian universities to enhance research atmosphere



**UI Action**

Second stage:

- A. Utilize UI Patents for production
- B. Patents new research findings
- C. Starts industrial incubators

## KEY DIMENSIONS OF INTERNATIONALIZATION



- International & Internationalized students
- Student Exchange and Mobility Programs
- Staff Exchange Programs
- International & Internationalized Staff
- International Research Collaboration
- Institutional Links and Networks
- International Consulting
- Multicultural Campuses
- Joint Degrees
- Rankings and Reputation

## Some Initiatives for Internationalization of UI

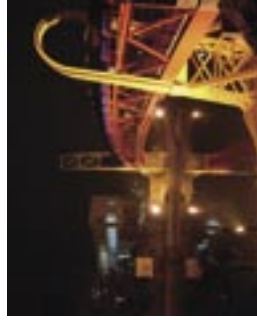
### INTERNATIONAL CLASS

- **FACULTY OF MEDICINE**  
Partner University  
Bachelor: The University of Melbourne
- **FACULTY OF ENGINEERING**  
Partner Universities  
Bachelor: FBEE Queensland University of Technology  
Master: Duisburg Essen (Germany), Ecole Centrale Group (France)
- **FACULTY OF PSYCHOLOGY**  
Partner University  
Bachelor: The University of Queensland-Australia.  
Master: Griffith University, Australia

## Some Initiatives for Internationalization of UI

- **FACULTY OF COMPUTER SCIENCE**  
Partner University  
Bachelor: The University of Queensland (ITEE UQ) Australia.
- **FACULTY OF ECONOMICS**  
Partner University  
Bachelor: The University of Melbourne, Tilburg University,  
Universiteit Van Amsterdam  
Master: Australian National University  
Program: MM ACE, a special program that award its graduates  
double degree from UI and one well-known University in  
France
- **FACULTY OF PUBLIC HEALTH**  
Partner University  
Master: Griffith University – Australia

Committed to Advancement of Science & Technology  
for Development



University of Indonesia  
THANK YOU